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Professor Toshio TAKADA  
On the Occasion of His Retirement*

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高田利夫教授  
Professor Dr. Toshio Takada

## Emeritus Professor Toshio Takada

On the 31st of March, 1986, Dr. Toshio Takada retired from Kyoto University after having completed 40 years of service at Kyoto University and was honored with the title of Emeritus Professor by Kyoto University on the following day.

Dr. Takada was born in Kyoto on the 10th of October, 1922. He graduated from the Faculty of Science, Kyoto University in 1947 and began his academic career in the field of solid state chemistry the same year when he accepted the post of researcher at the Department of Chemistry, Faculty of Science, Kyoto University. He was granted a doctoral degree for his studies on the preparation and morphological characterization of fine particles of metal oxides. His study of oxides containing iron especially had a great impact on the modern development of the magnetism of fine particle systems. He was promoted to full professor at the Institute for Chemical Research, Kyoto University in 1963 to establish the Laboratory of Solid State Chemistry. He also contributed much to the establishment of the Facility of Low Temperature Laboratory in 1970 and Facility of Inorganic Synthesis in 1975. The latter facility was integrated into the Laboratory of Solid State Chemistry in 1982, and he served as the chief professor.

During years his research work covered a wide range of metal oxides of various compositions and with various particle sizes extending from  $\sim 10^3 \text{ nm}^3$  to  $\sim 10^{21} \text{ nm}^3$ . It is noteworthy that the basic research done by him found very fruitful practical applications; e.g. fabrication of iron oxide fine particles to be used as magnetic recording materials and purification of waste water containing heavy metals. More recently, a pioneering research on alloys having artificial superlattices have been initiated. He has been awarded prizes for his brilliant achievements by The Chemical Society of Japan, The Japan Society of Powder and Powder Metallurgy, and by several other scientific and cultural organizations.

From April 1st, 1980 to March 31st, 1982, he was appointed the Director of the Institute and made a great administrative contribution not only to the Institute but also to the University as a councillor. He also served on various important committees of the University.

He gave lectures on advanced solid state chemistry at the graduate school of science at Kyoto University and supervised dissertation works of graduate students. He was invited as a visiting professor by Osaka University, Nagoya University, and some other institutions.

His contribution to various academic societies was also significant. He served as a vice president of The Chemical Society of Japan, as a vice-president of The Japan Society of Powder and Powder Metallurgy, and as a director or councillor of several other societies.

His sincere, warm and magnetic character is admired by his friends, colleagues, and students.

This collection of papers is dedicated to Dr. Takada to honor his long, devoted service and retirement.

*Michio Kurata*

Michio Kurata  
Director  
Institute for Chemical Research  
Kyoto University

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